

What is claimed is:

1. Ultra-high pressure discharge lamp, comprising:
a discharge vessel made of silica glass which is filled at least 0.15 mg/mm^3 of mercury,
and which contains a pair of opposed electrodes,
wherein the silica glass contains 0.1 ppm by weight to 290 ppm by weight of hydrogen.
2. Ultra-high pressure discharge lamp as claimed in claim 1, wherein in the silica glass has a content of OH radicals that is at most 1 ppm by weight and a content of aluminum in a range of 2 ppm by weight to 30 ppm by weight.
3. Ultra-high pressure discharge lamp as claimed in claim 1, wherein the silica glass is a vacuum degassed silica glass.
4. Ultra-high pressure discharge lamp as claimed in claim 3, wherein vacuum degassed silica glass has been degassed for several hours at an elevated temperature.